

FIG. 1

FIG. 1

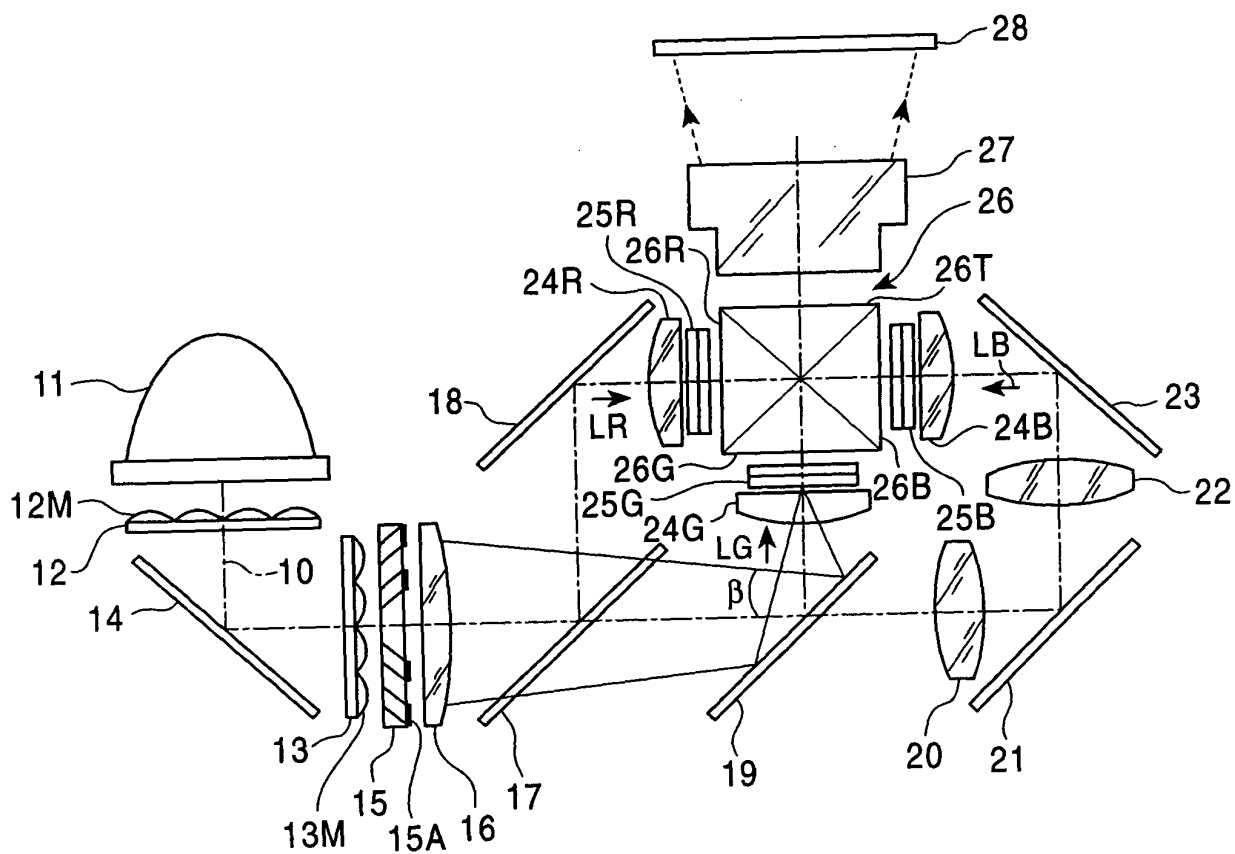


FIG. 2

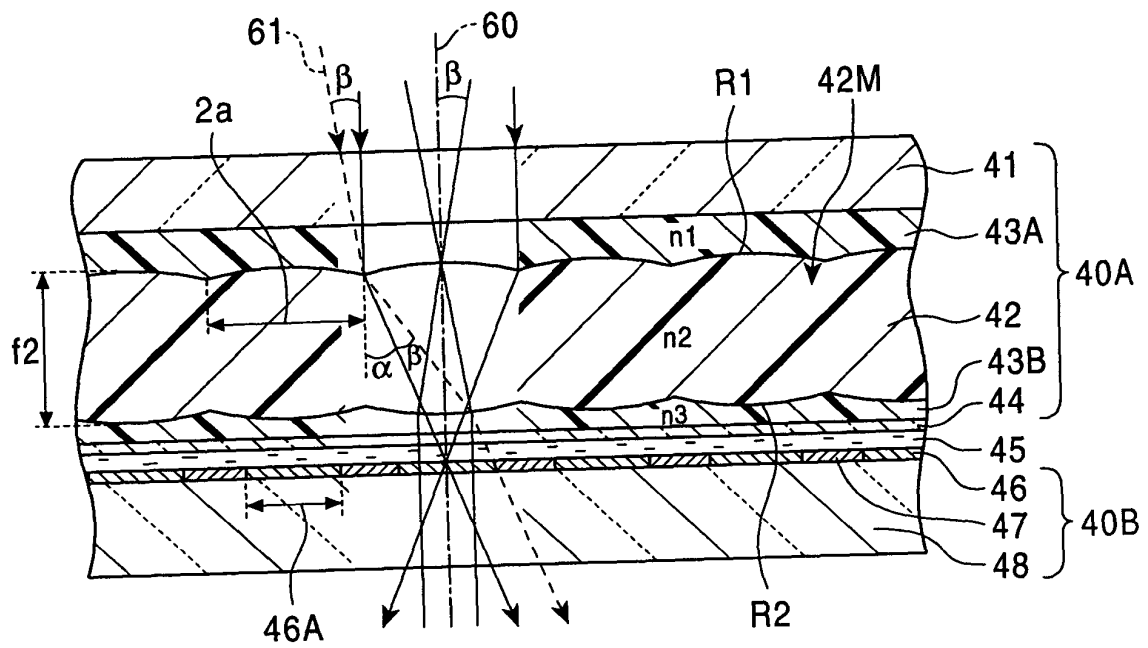
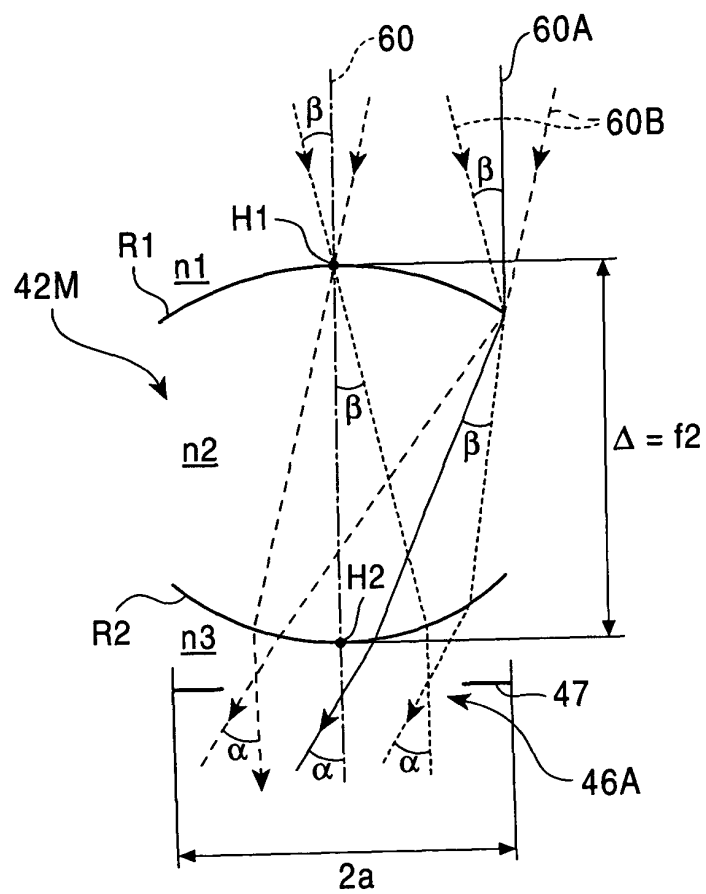
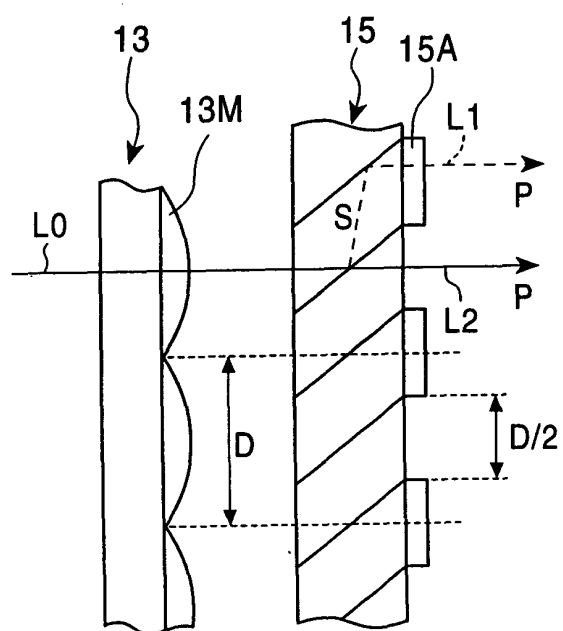


FIG. 3



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FIG. 4



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FIG. 5A

	EXAMPLE (TWO LENS SURFACES)	FIRST COMPARATIVE EXAMPLE (LONG FOCAL LENGTH, ONE LENS SURFACE)	SECOND COMPARATIVE EXAMPLE (SHORT FOCAL LENGTH, ONE LENS SURFACE)
SYNTHETIC FOCAL LENGTH ( $\mu\text{m/in air}$ )	41	70	41
EFFECTIVE APERTURE RATIO (%)	96	86	77

FIG. 5B

SIMULATION CONDITIONS	
ILLUMINATION SYSTEM	FLY-EYE INTEGRATOR OPTICAL SYSTEM FOR 0.9-INCH PANEL
DOT SIZE	$18 \times 18 \mu\text{m}$
APERTURE SIZE	$12 \times 12 \mu\text{m}$
F-NUMBER OF PROJECTION LENS	1.7

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FIG. 6A

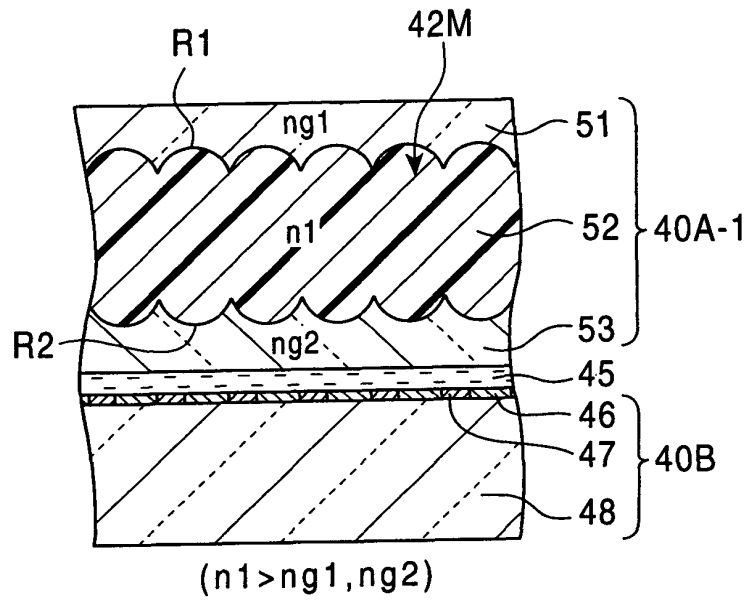


FIG. 6B

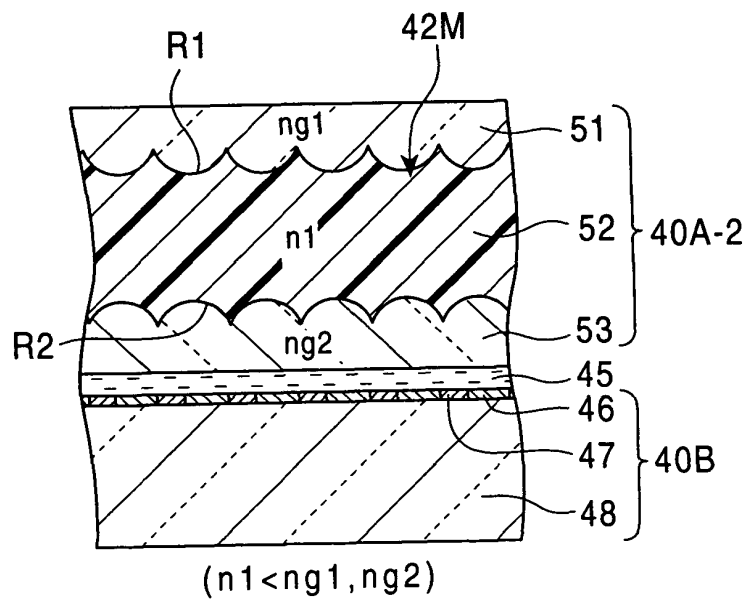


FIG. 7A

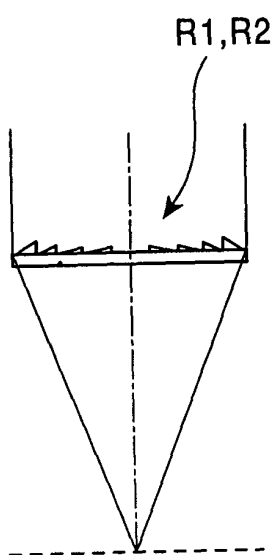


FIG. 7B

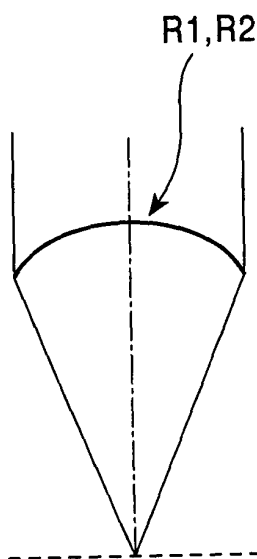
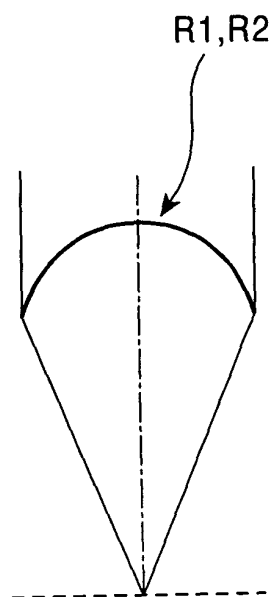


FIG. 7C



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FIG. 9

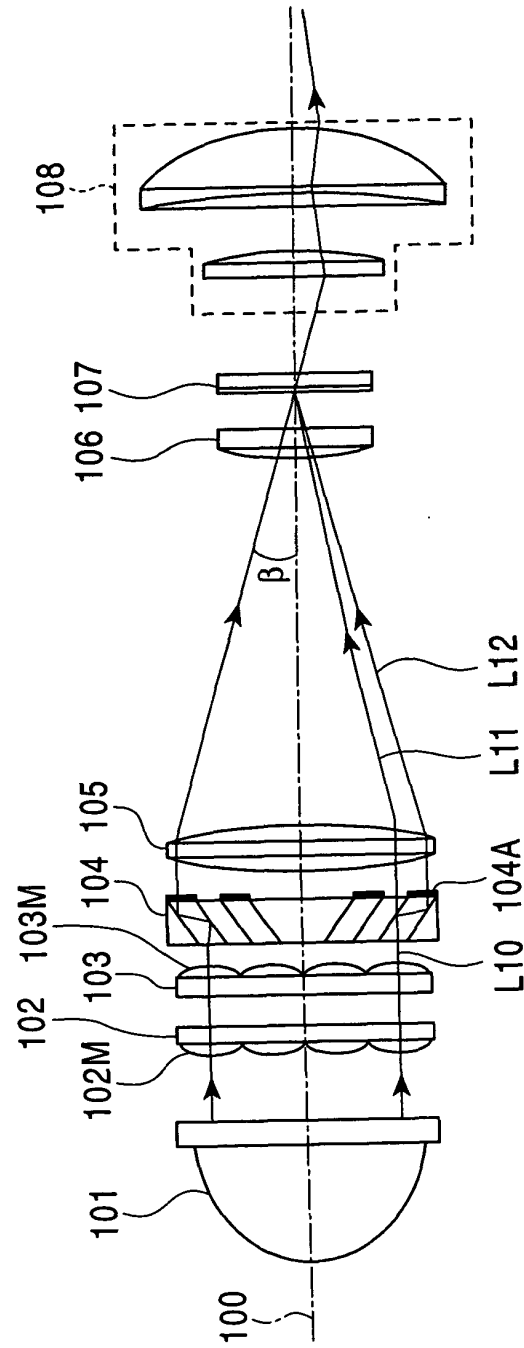




FIG. 11

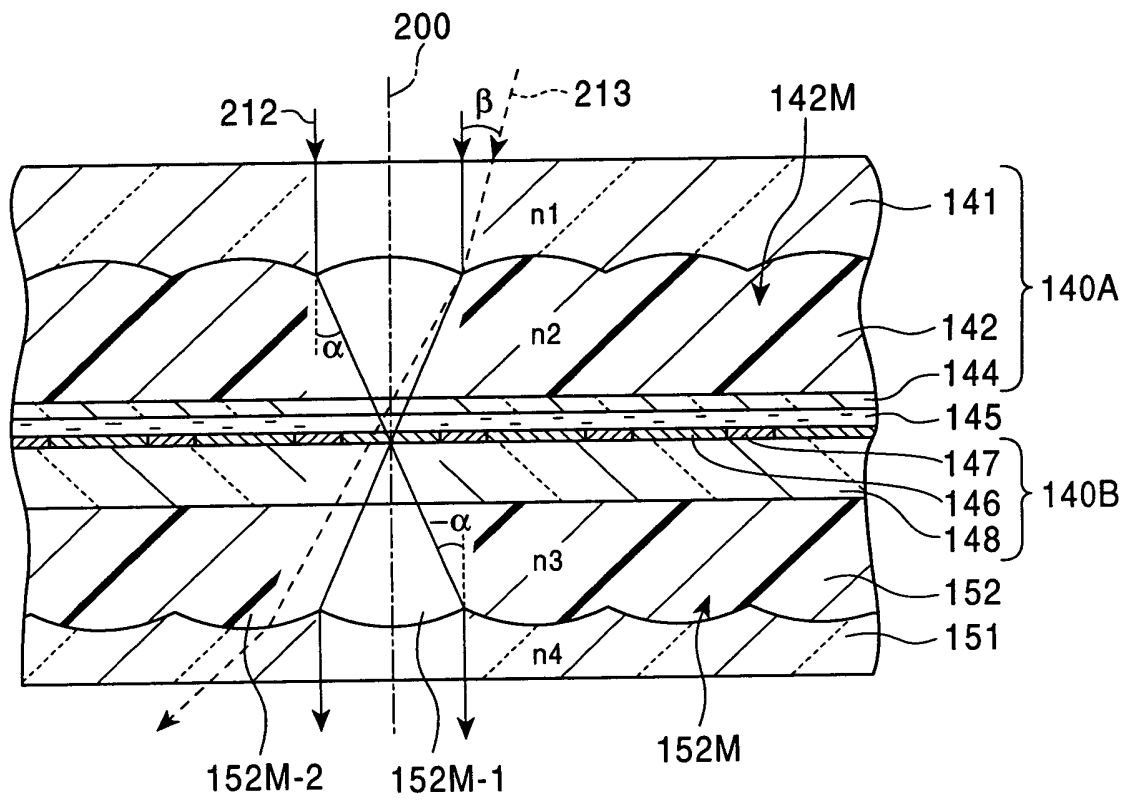


FIG. 11